

Wide Flange “H-Beam” Steel Post Selection

Wide Flange Beam			
Post Size		(X)(Y)(Z) (ft³)	
		Number of Posts	
ASTM A992	ASTM A36	2	3
W6x9	W6x12	1570	2355
W6x12	W6x16	2340	3510
W8x18	W8x21	4120	6180
W10x22	W10x26	6320	9480
W12x26	W12x30	8700	---

Wide Flange Beam Weights

Beam Size	Weight lbs/ft	Beam Size	Weight lbs/ft
W6x9	9	W8x21	21
W6x12	12	W10x22	22
W6x16	16	W10x26	26
W6x18	18	W12x26	26
		W10x30	30

Notes:

Values shown in Table 1 are the maximum permitted. A single-wide flange post installation is not allowed. For any wide flange multiple-steel post installations located within the Design Clear Zone, the total weight of all the posts in a 7-foot-wide path shall not exceed a combined post weight of 34 lbs/foot.

Consider using one of the following: perforated square steel tube posts, solid steel tube posts, or round steel posts.